

# 2024 Power Line Competition

## FACT SHEET

### **Project Manager**

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For questions relating to the power line competition contact Jonathan Sacks at [jsacks@cianbro.com](mailto:jsacks@cianbro.com). For all event questions contact Jarrell Jackson, National Craft Championships director, at (202) 595-1789 or [jackson@abc.org](mailto:jackson@abc.org).

### **Specific Competition Eligibility**

The power line competition requires competitors to climb and perform work on poles and operate an aerial bucket lift. Competitors must be able to demonstrate that they have acquired these skills in order to safely participate in the competition. Please refer to overall eligibility requirements for all additional requirements.

### **Online Exam**

The online exam must be completed before competitors arrive on site, at a local NCCER Accredited Training Sponsor or Assessment Center. Accommodations will be made for extreme circumstances with prior approval of the NCC director. All competitors must sit for the online exam or face disqualification from the NCC. The online exam continues to make up 25% of one's overall competition score. It is the responsibility of the sponsor organization to schedule test sessions directly with NCCER. Test registration and guidelines will be available in January 2024.

### **Practical Performance Test Description**

Each competitor will rotate through three workstations. Each competitor will have two hours to complete assigned tasks, utilizing knowledge and skills at each station. Unsafe behavior will disqualify a competitor from completing a task. Each activity will require a competitor to read and interpret drawings and specifications, build as per specs and demonstrate a basic knowledge of distribution systems and equipment.

### **Task #1: Structure framing on hooks**

Competitors will frame out a 15-foot structure as per standard drawings, which will be issued before the start of competition.

### **Task #2: Wiring 3-phase transformer banks**

Each competitor will wire a three-phase transformer bank and associated equipment for the configuration assigned per standard drawings. The transformers will be mounted approximately six feet from the ground, work will be done from the ground or step ladder.

### **Task #3: Terminating medium voltage cable and connecting riser to aerial line**

Each competitor will terminate medium voltage termination and on bottom end of riser and make up a high-side termination and land and tie into aerial line according to given specifications. The riser will be mounted on a 6-foot pole, all work will be done from the ground or step ladder.

### **Knowledge and Skills Required**



**ABC National Craft Championships  
Power Line Sample Score Sheet**

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**Judging Criteria**

**Competitor Identification Numbers**